

FIG. 1

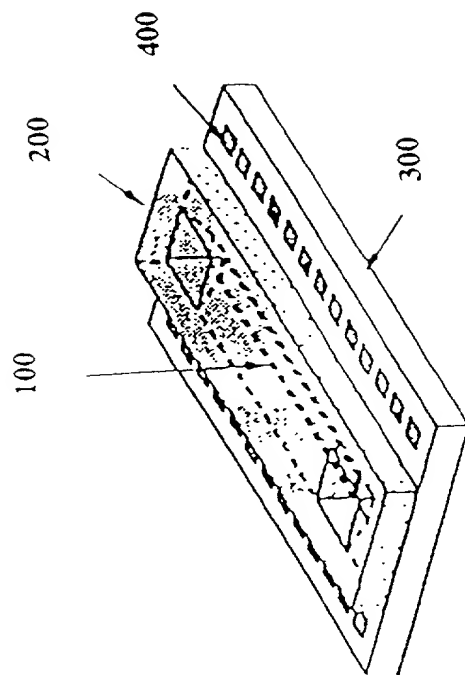


FIG. 2

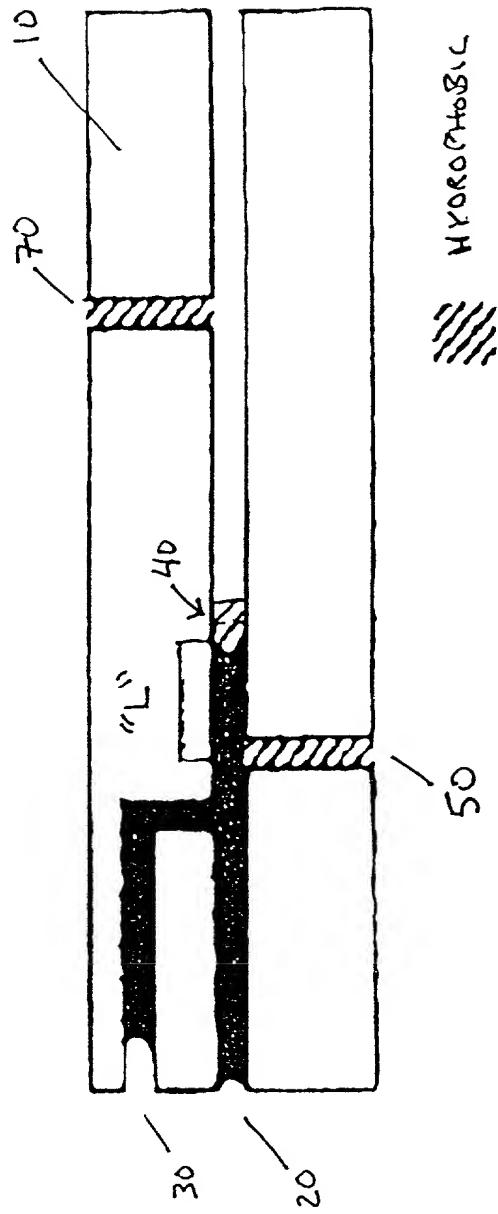


FIGURE 3A

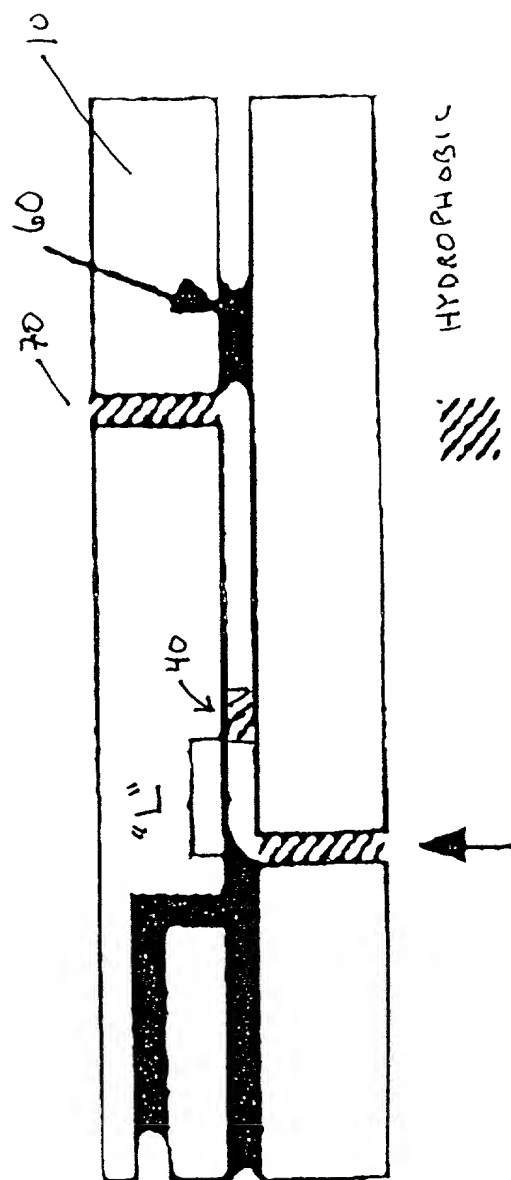


FIGURE 3B

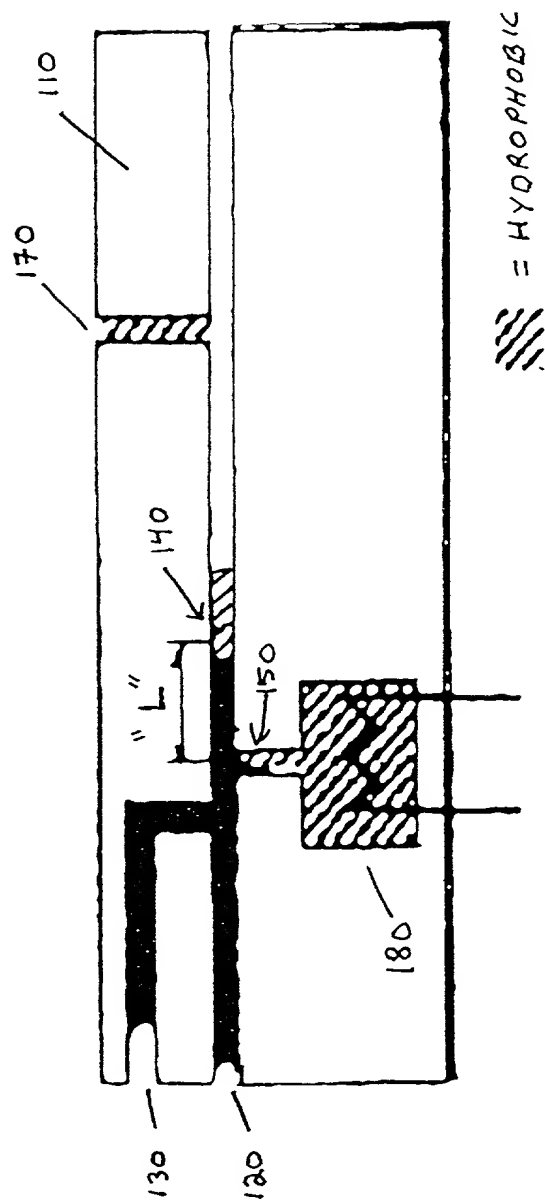


FIGURE 4A

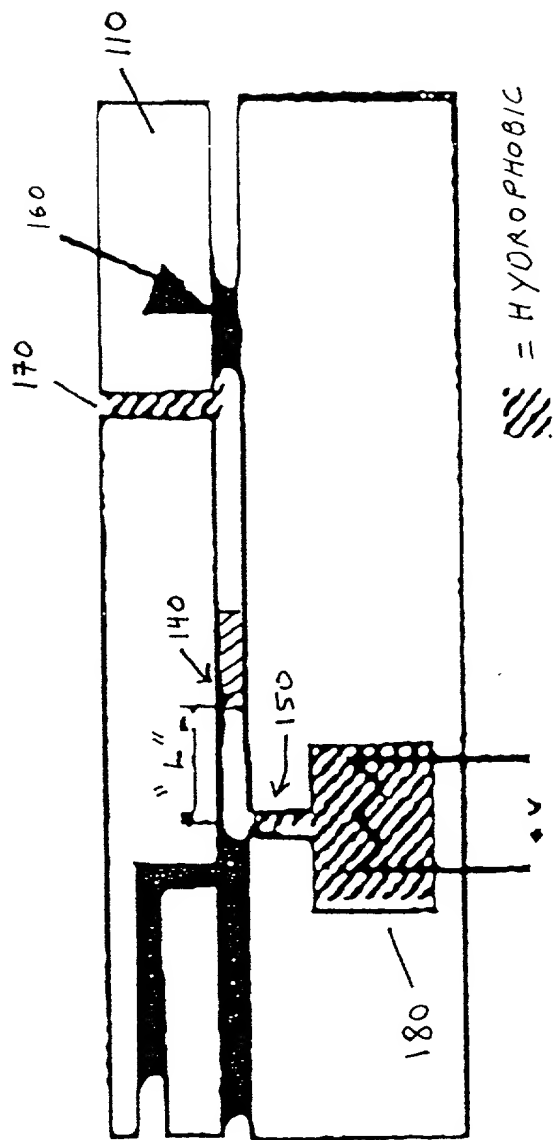


FIGURE 4B

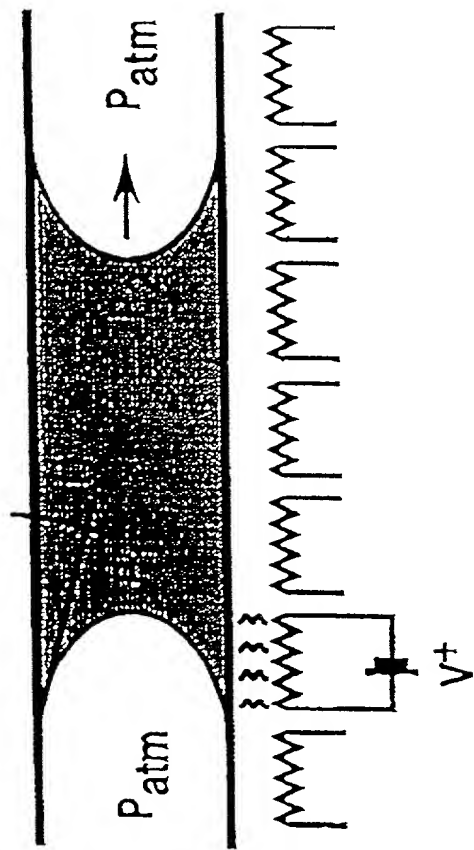


FIGURE 5

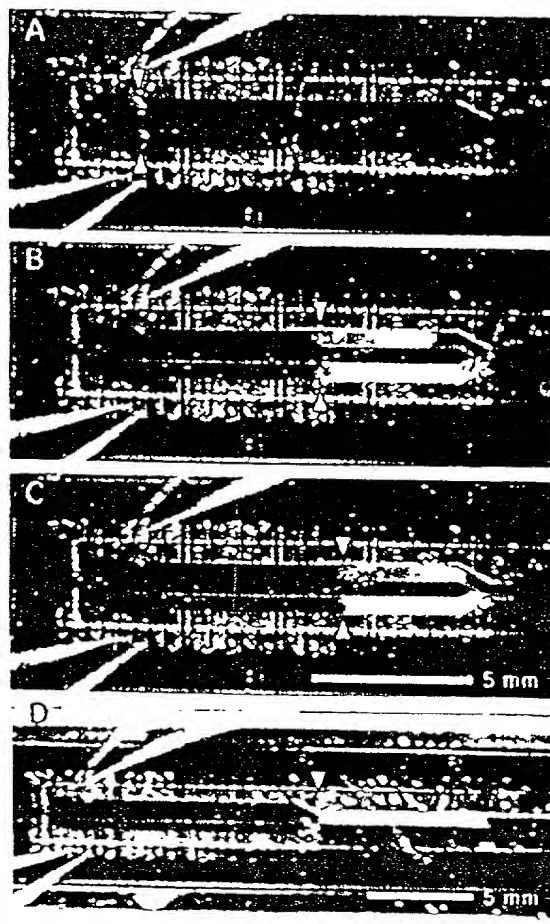


FIGURE 6



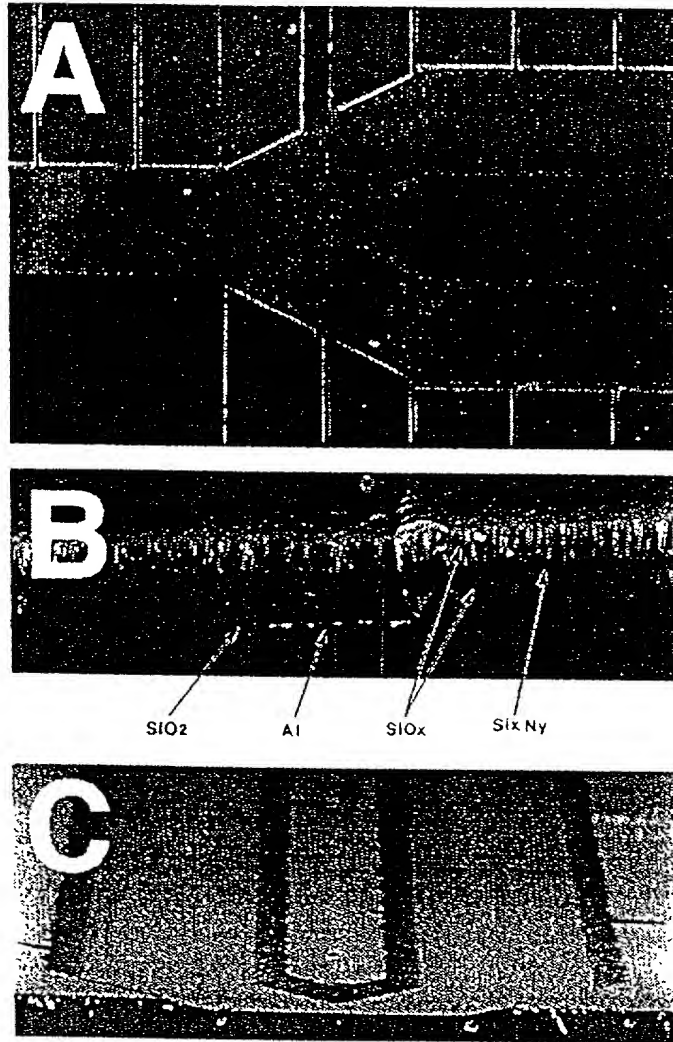


FIGURE 7

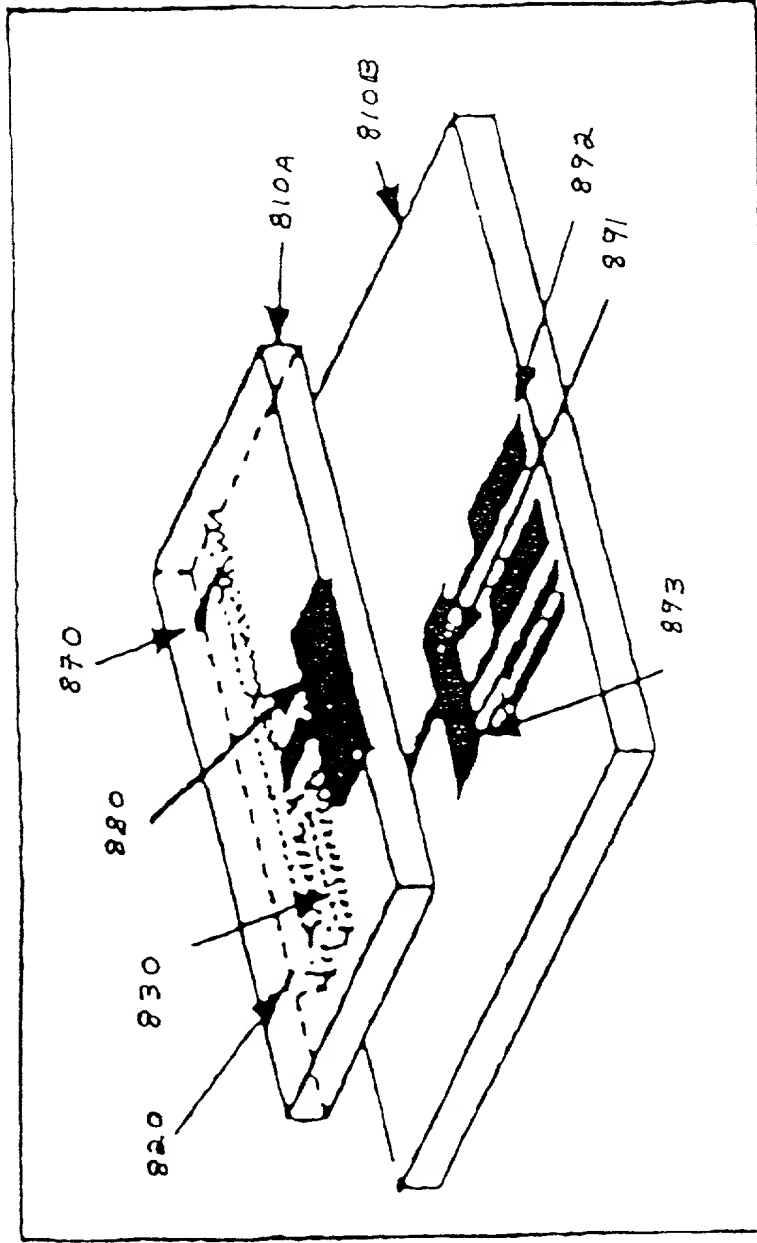


FIGURE 8A

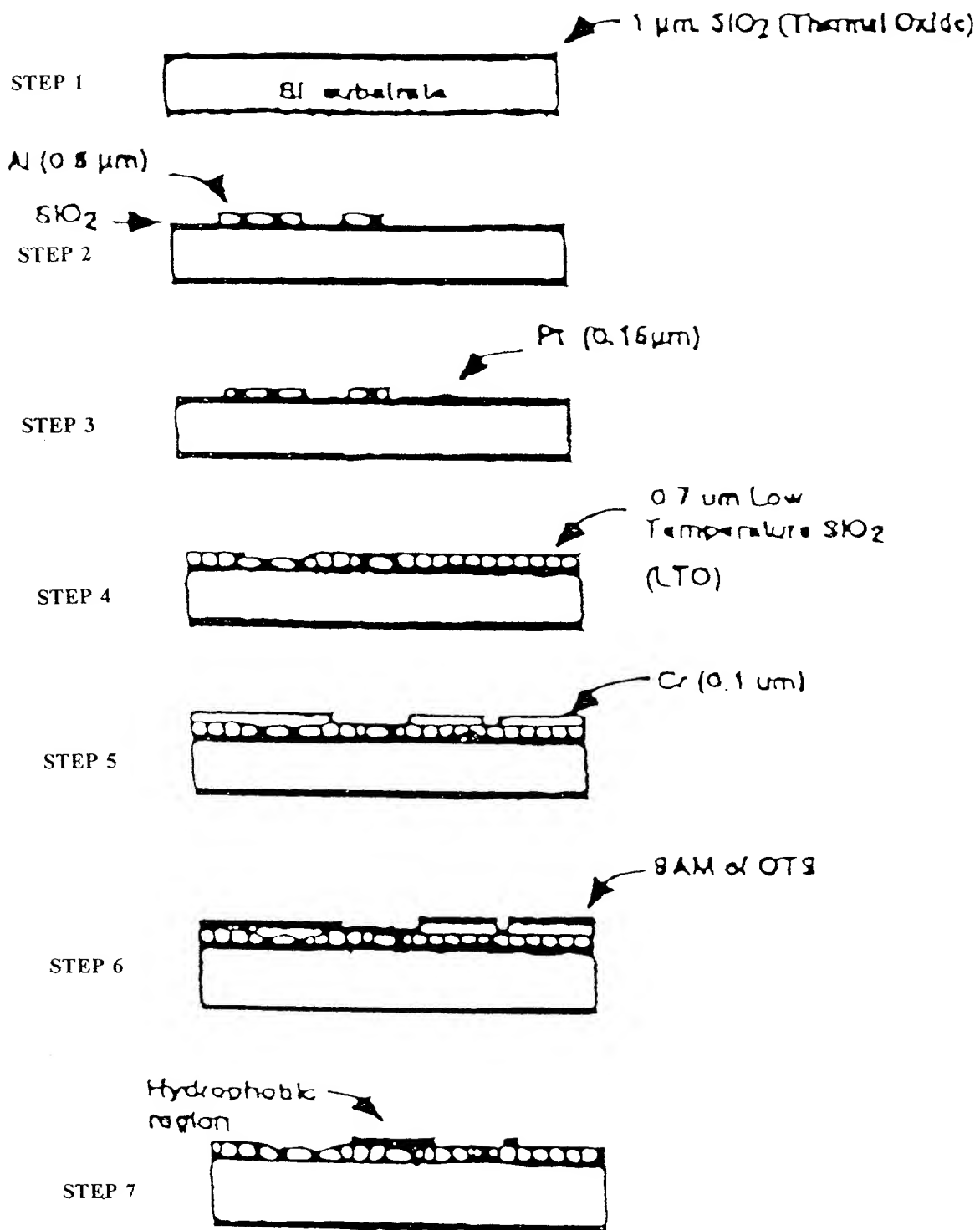


FIGURE 8B

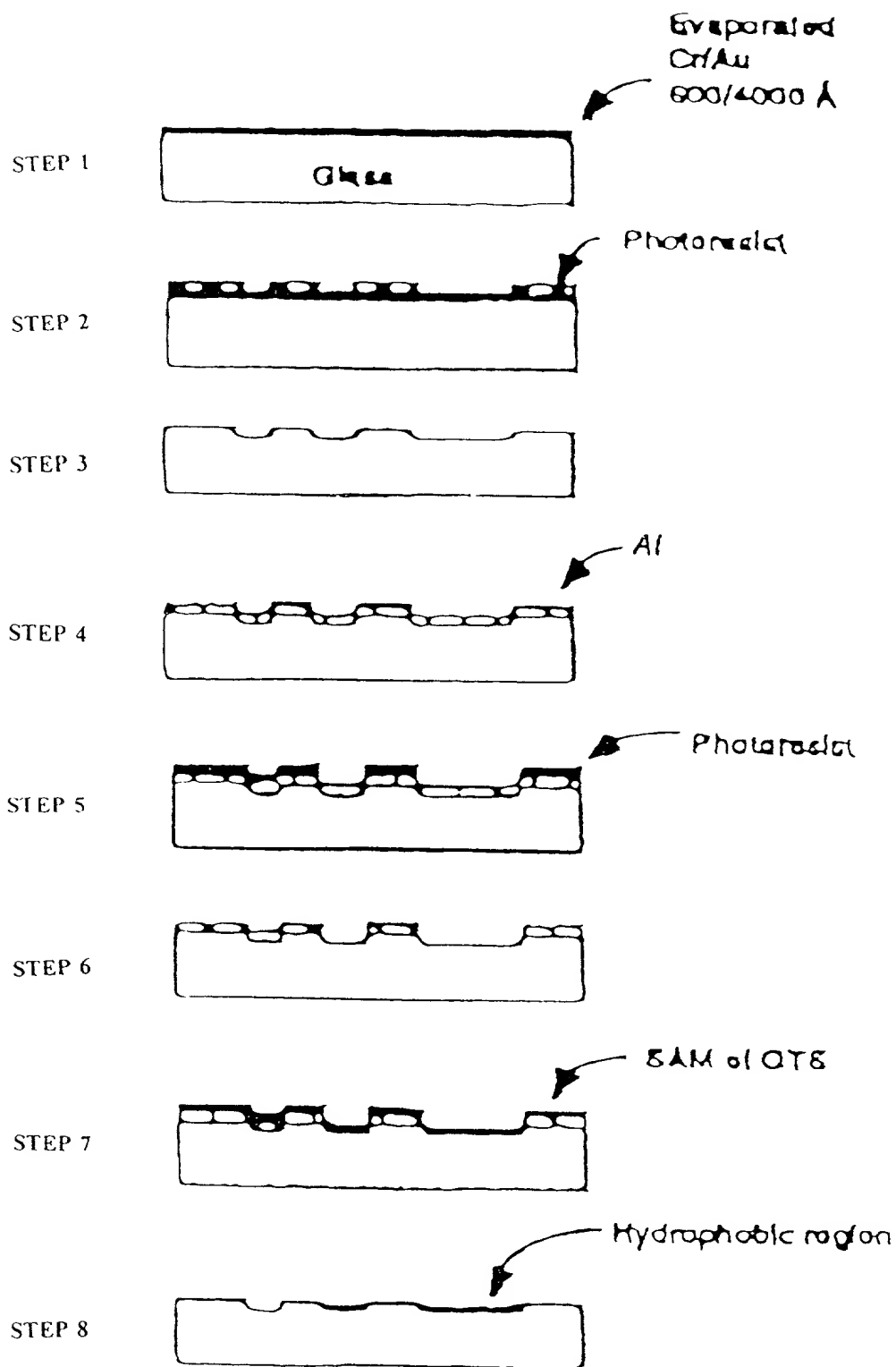


FIGURE 8C

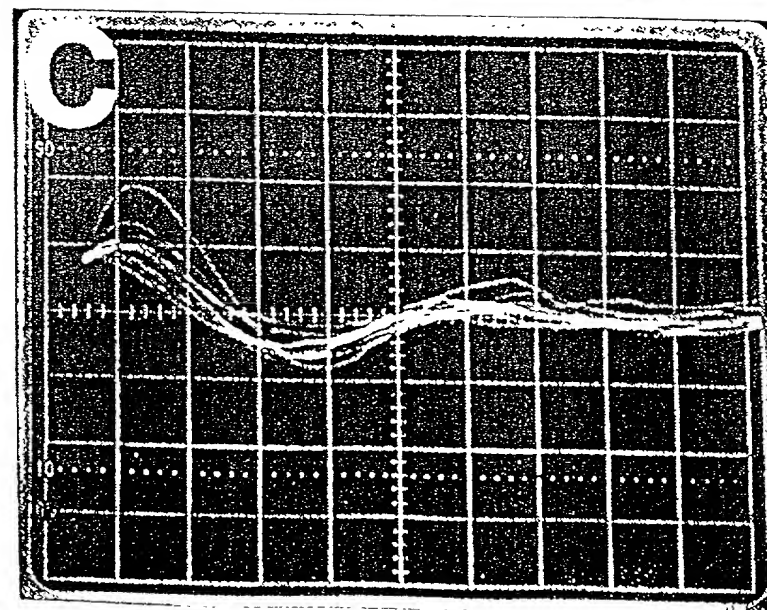
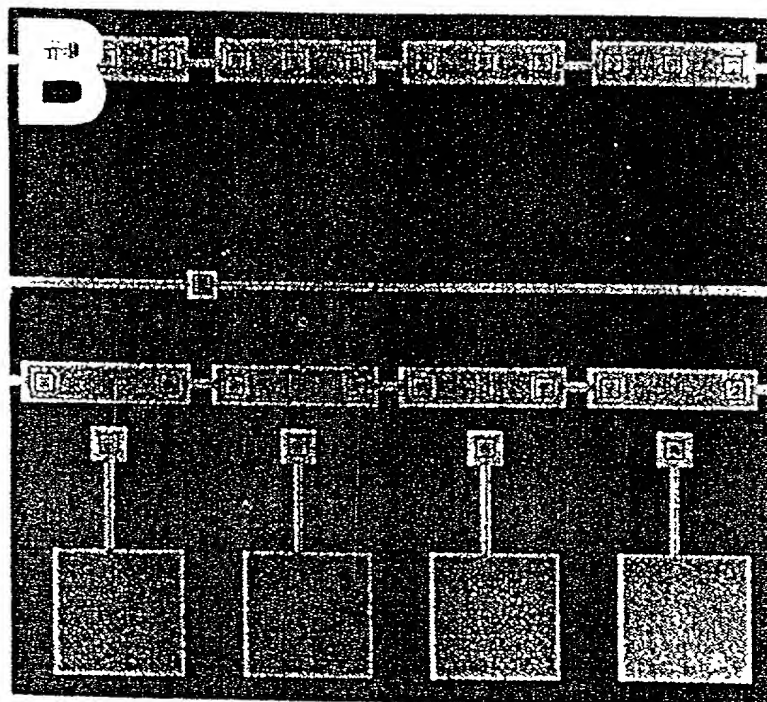
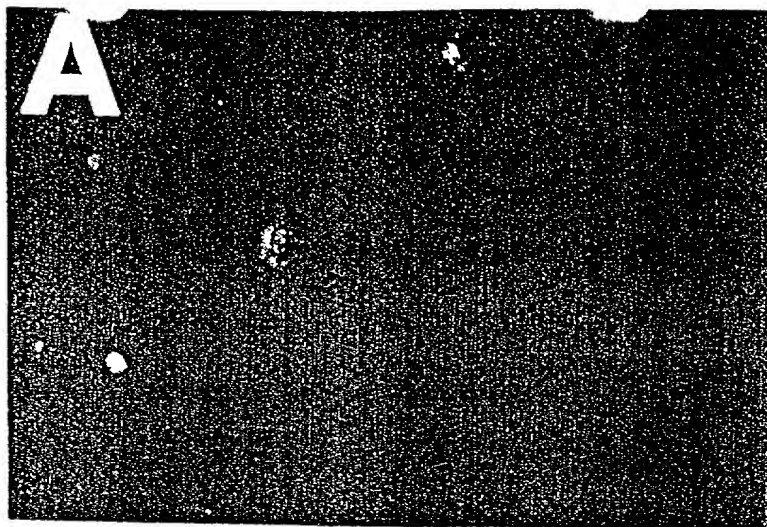
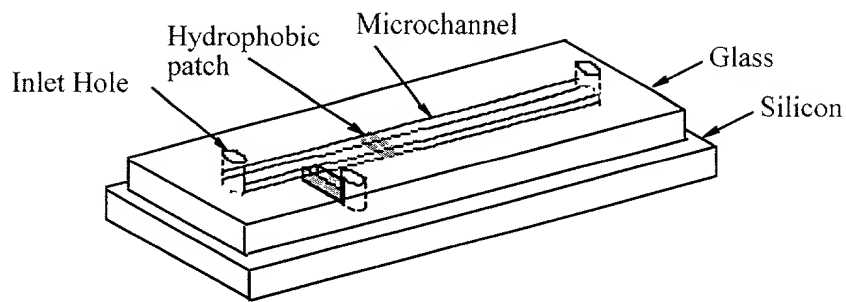
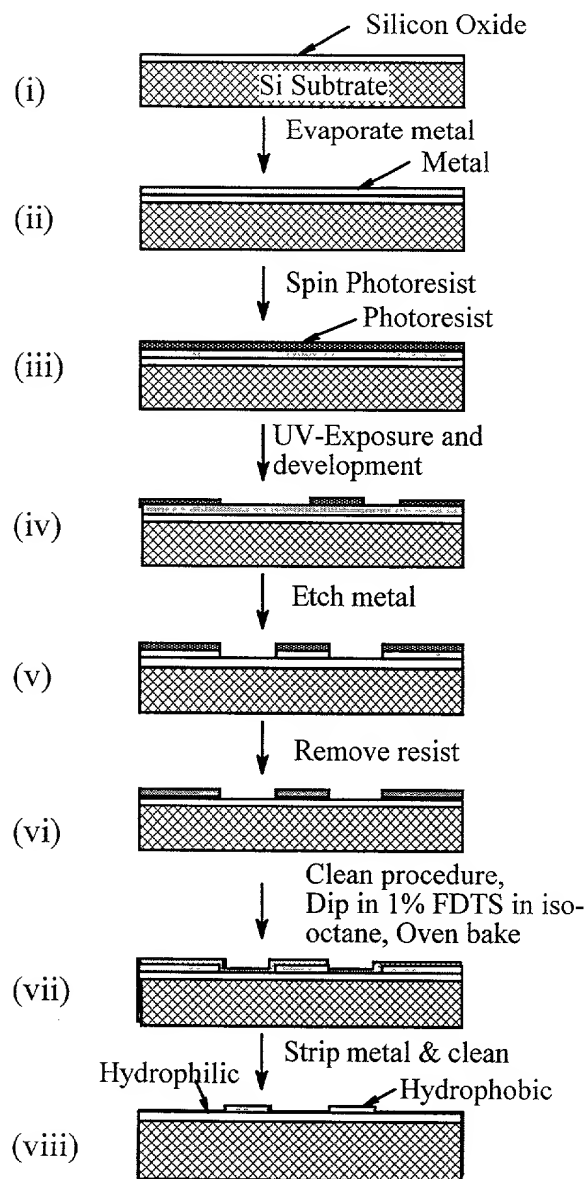


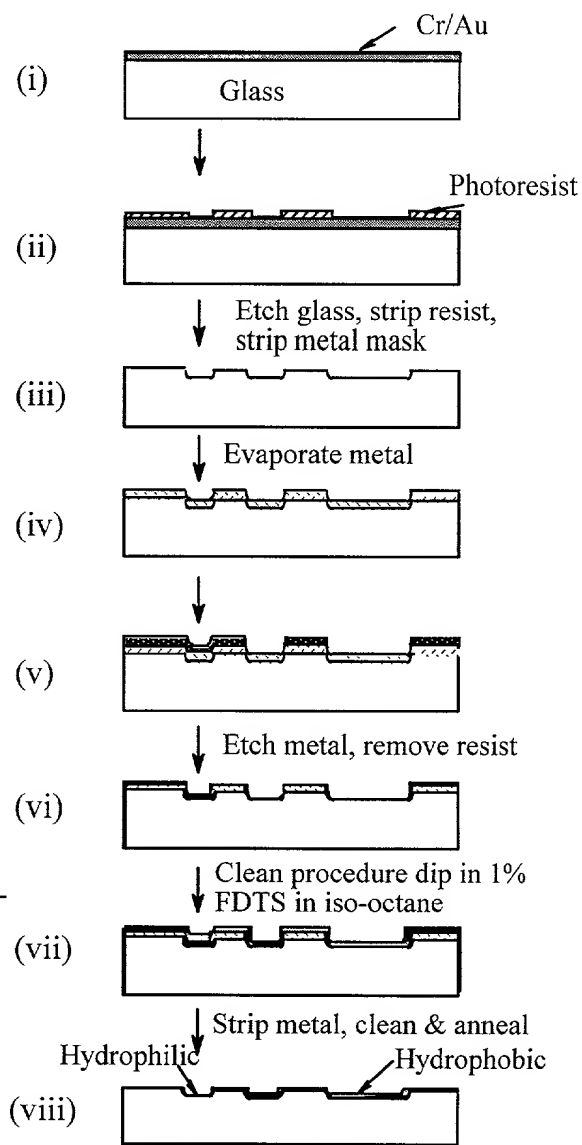
FIGURE 9



(a)

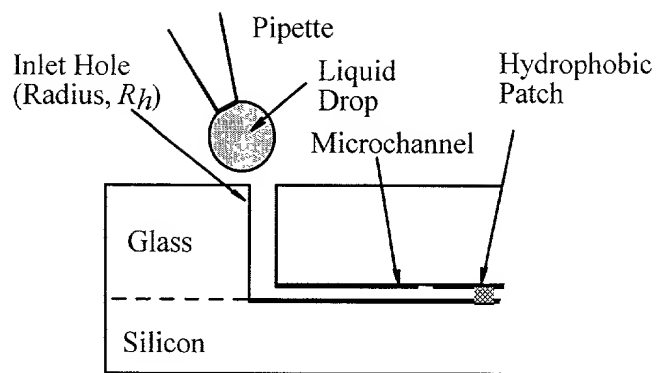


(b)

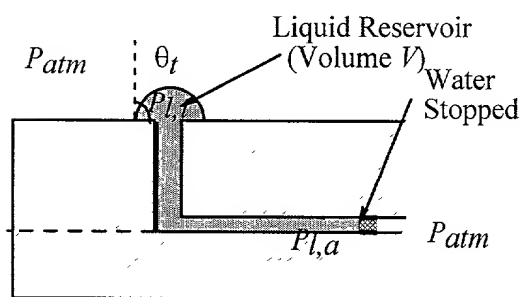


(c)

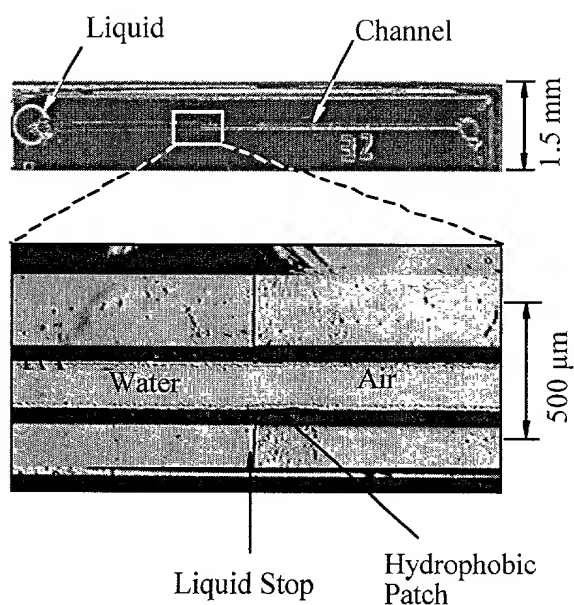
Figure 10



(i)



(ii)



(b)

Figure 11

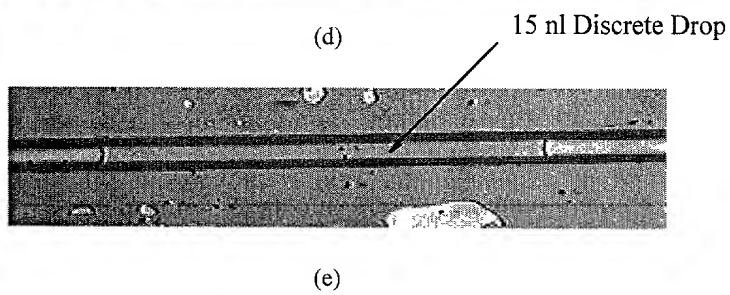
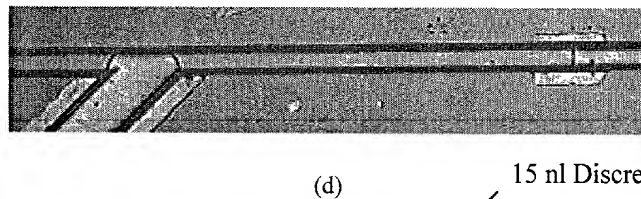
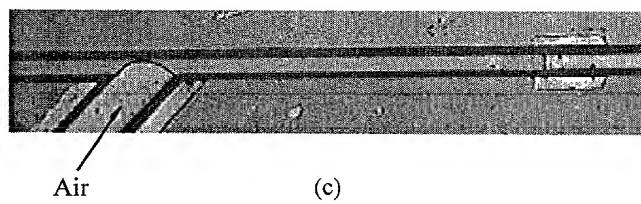
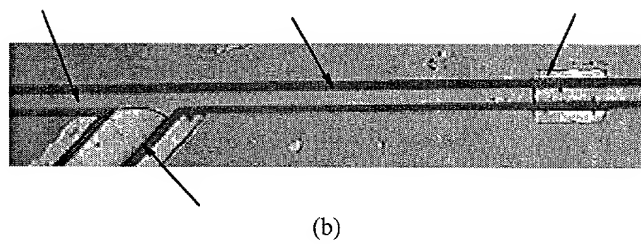
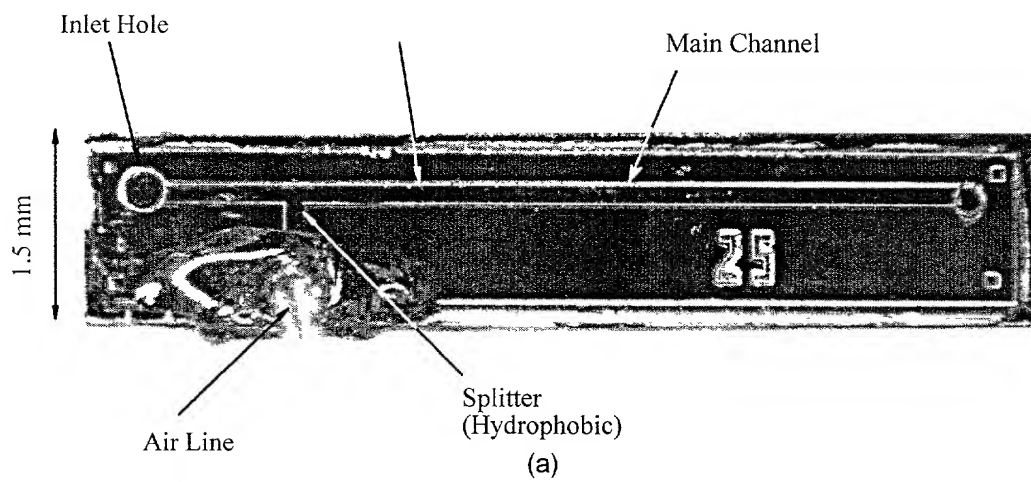
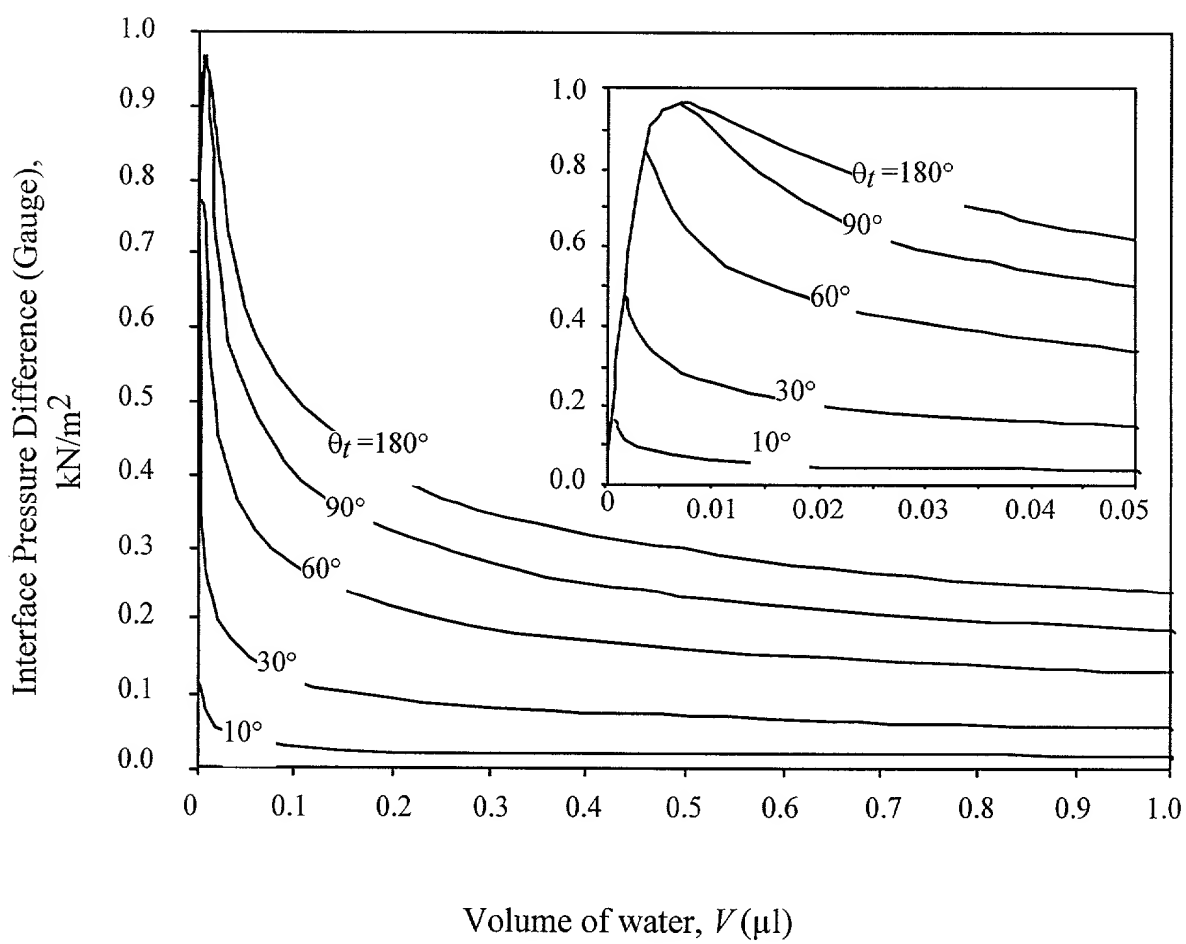
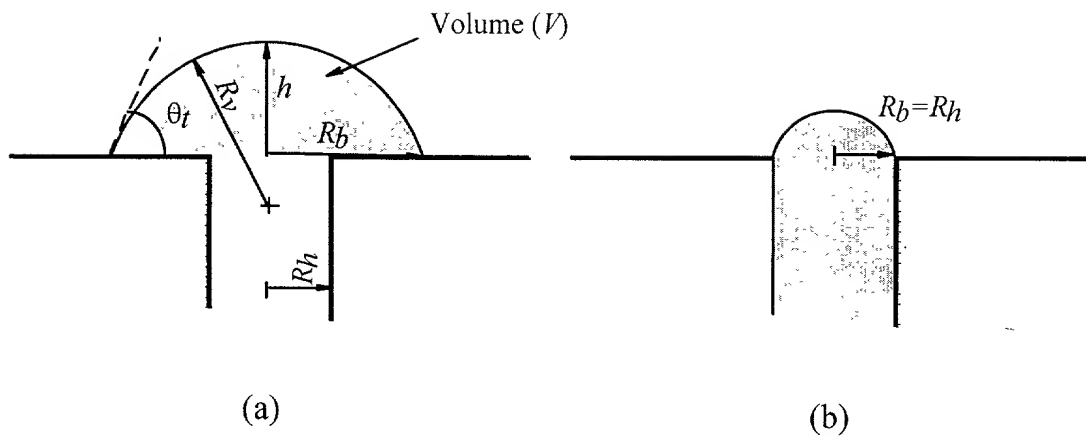


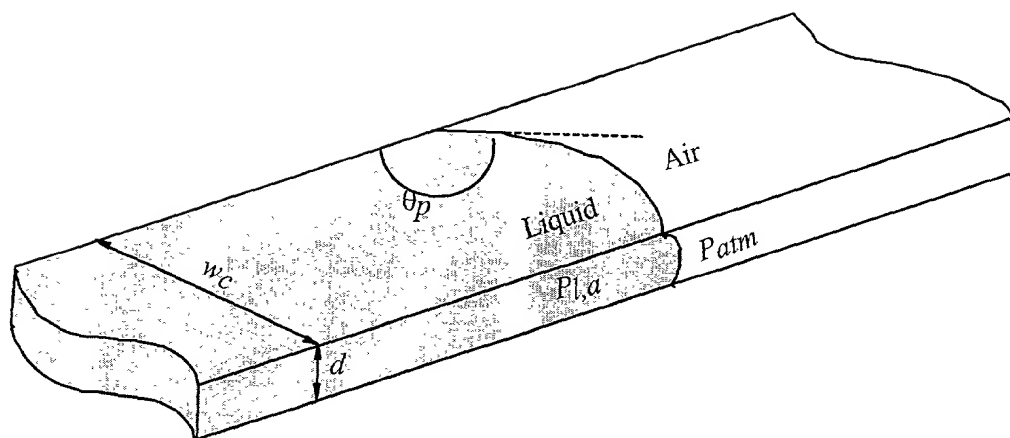
Figure 12



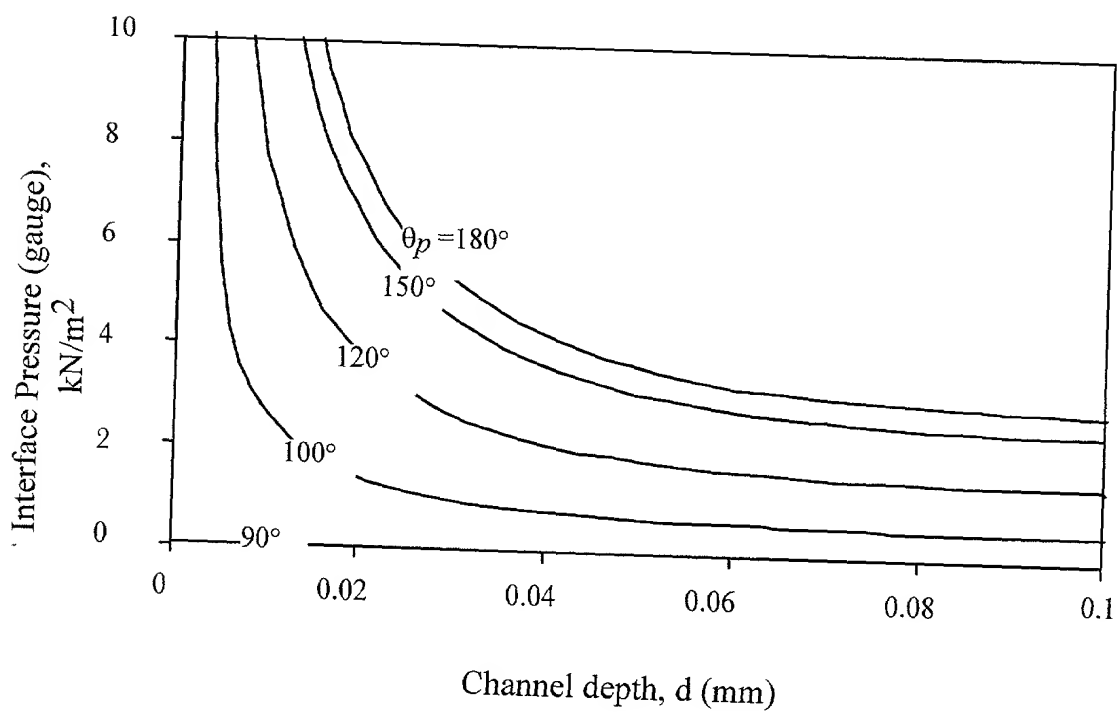


(c)

Figure 13



(a)



(b)

Figure 14

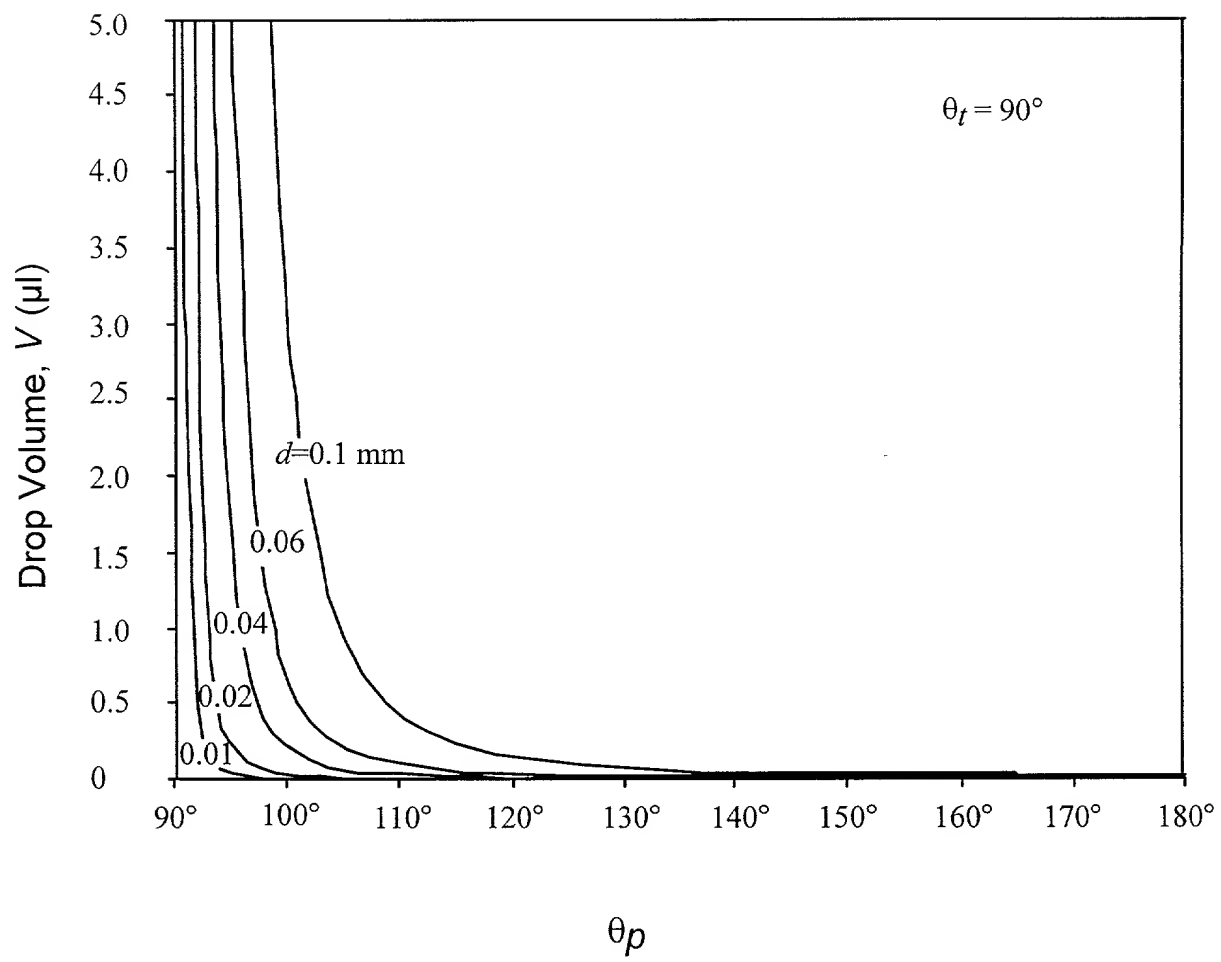
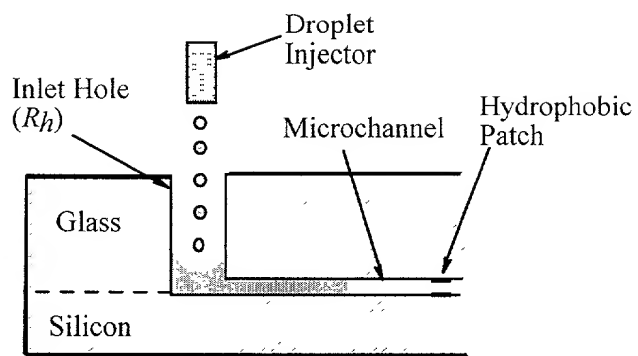
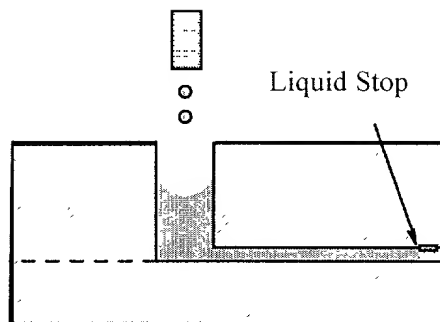


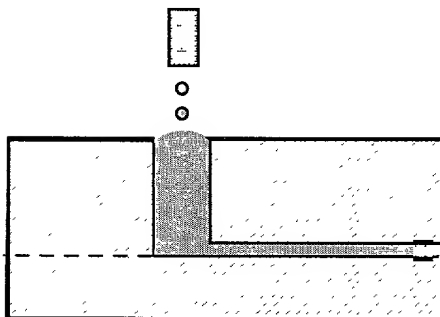
Figure 15



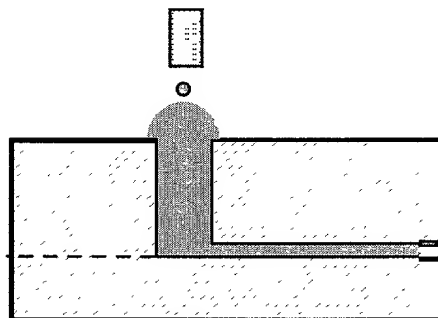
(a)



(b)

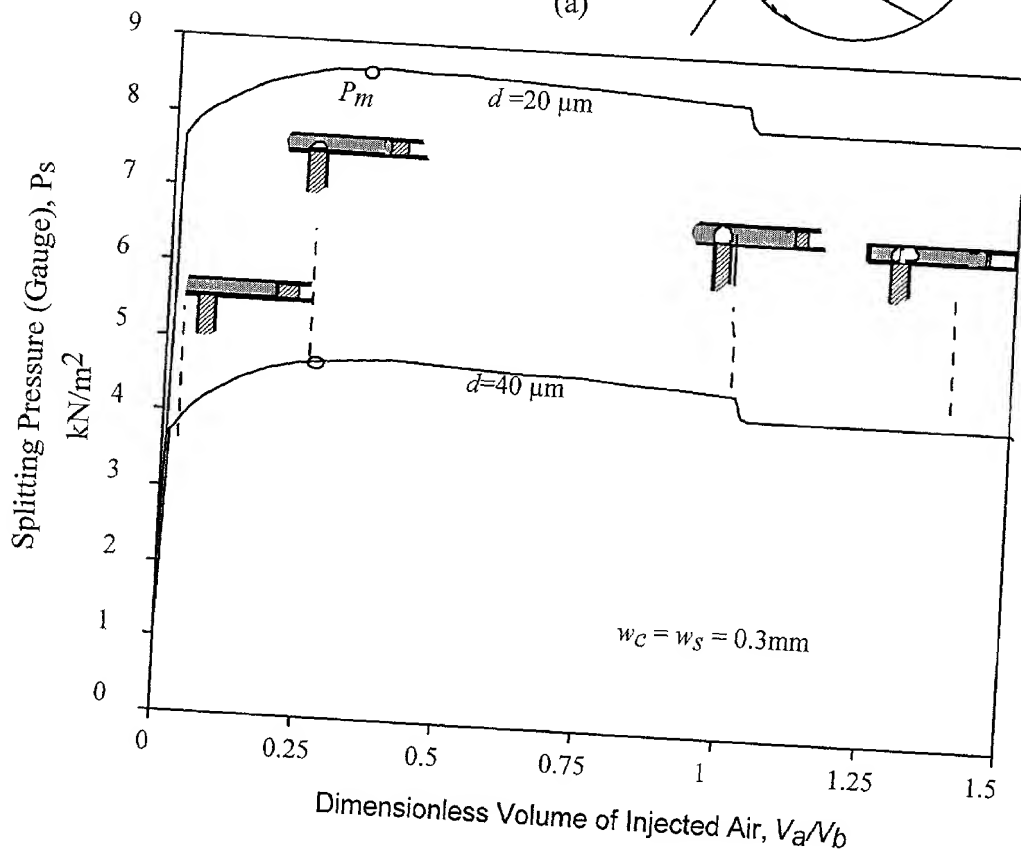
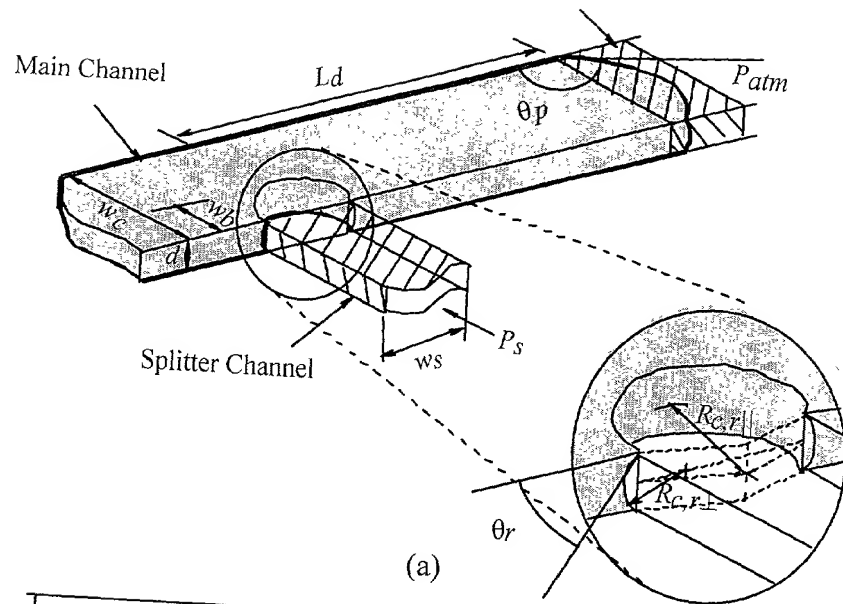


(c)



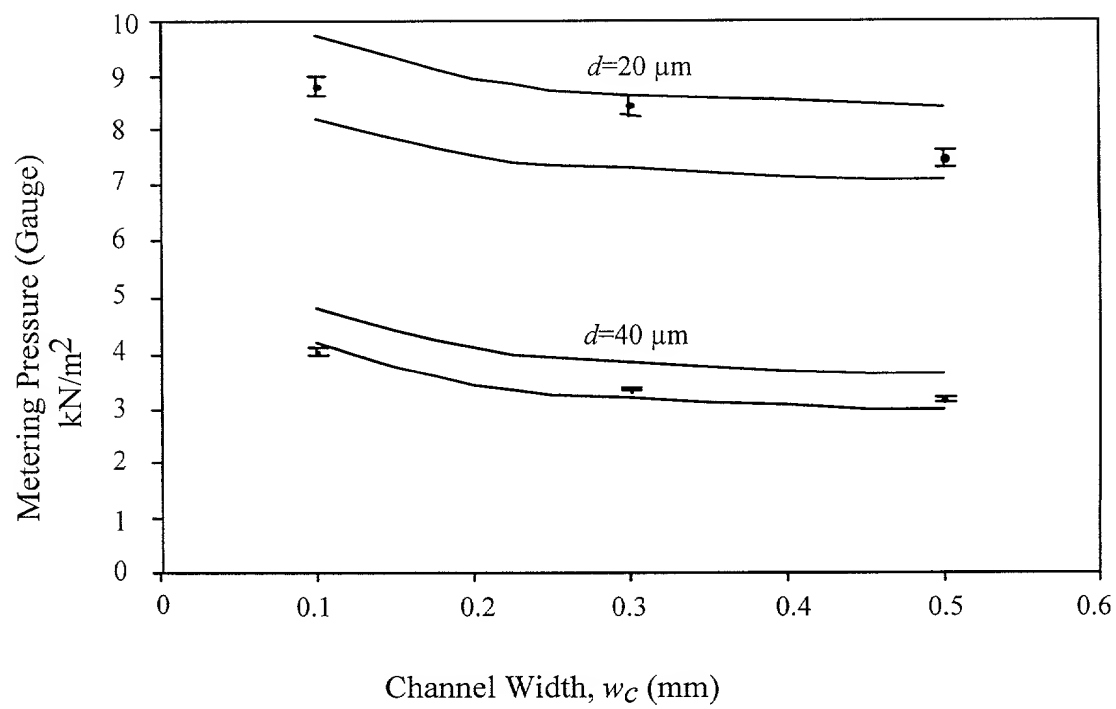
(d)

Figure 16

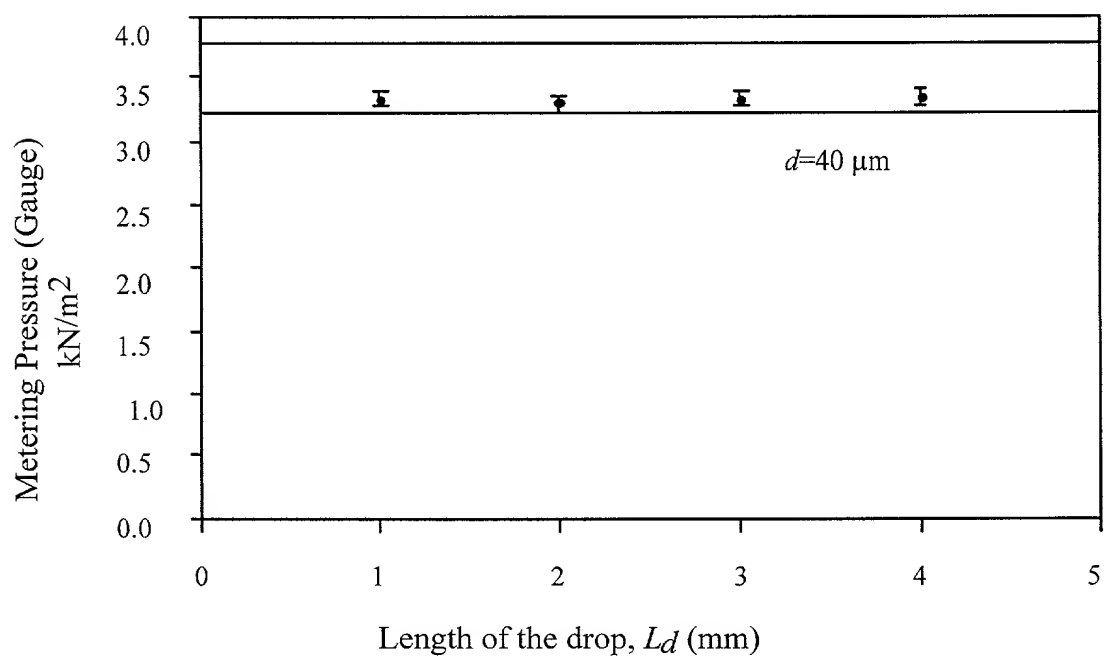


(b)

Figure 17



(a)



(b)

Figure 18

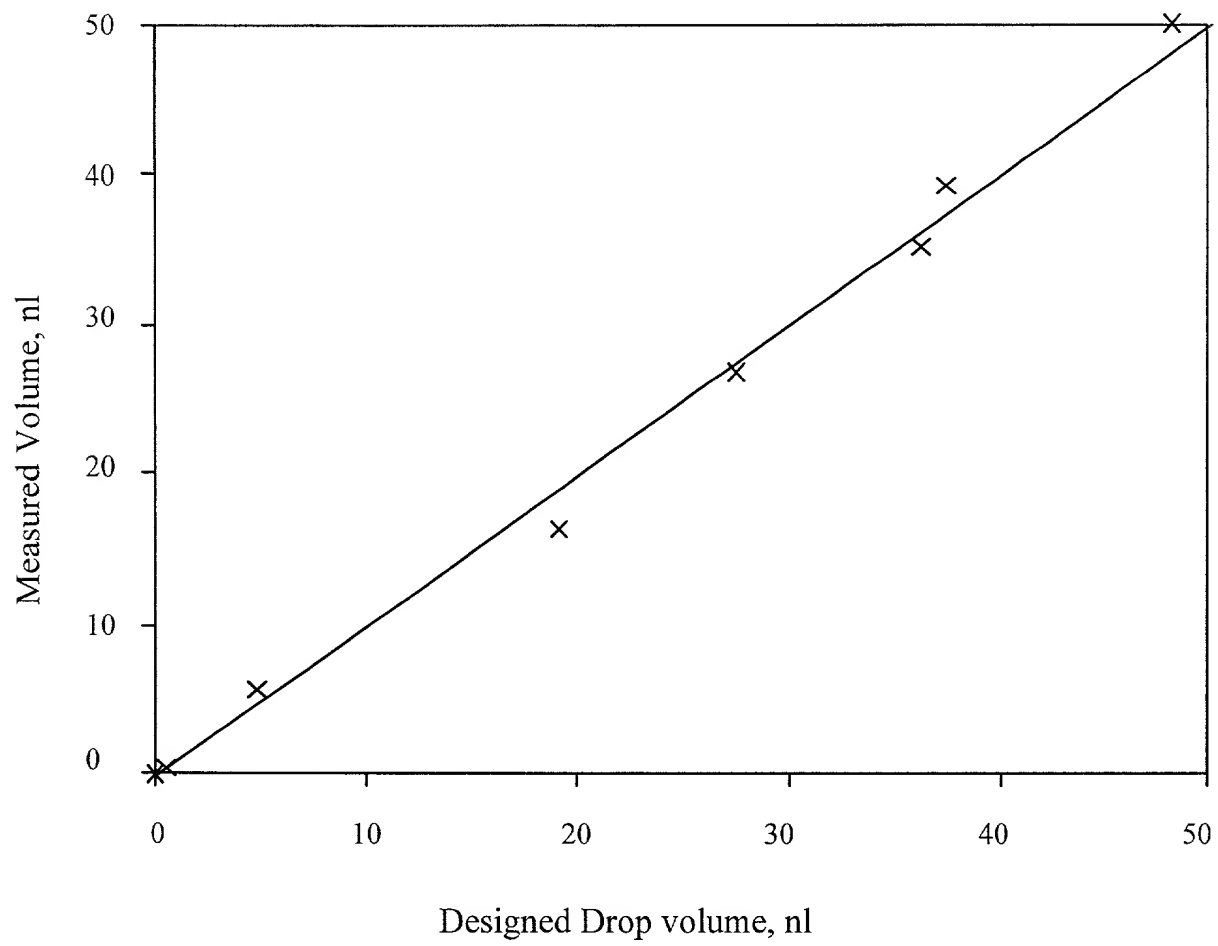


Figure 19

# PCR Results with Standard Reagent Amounts

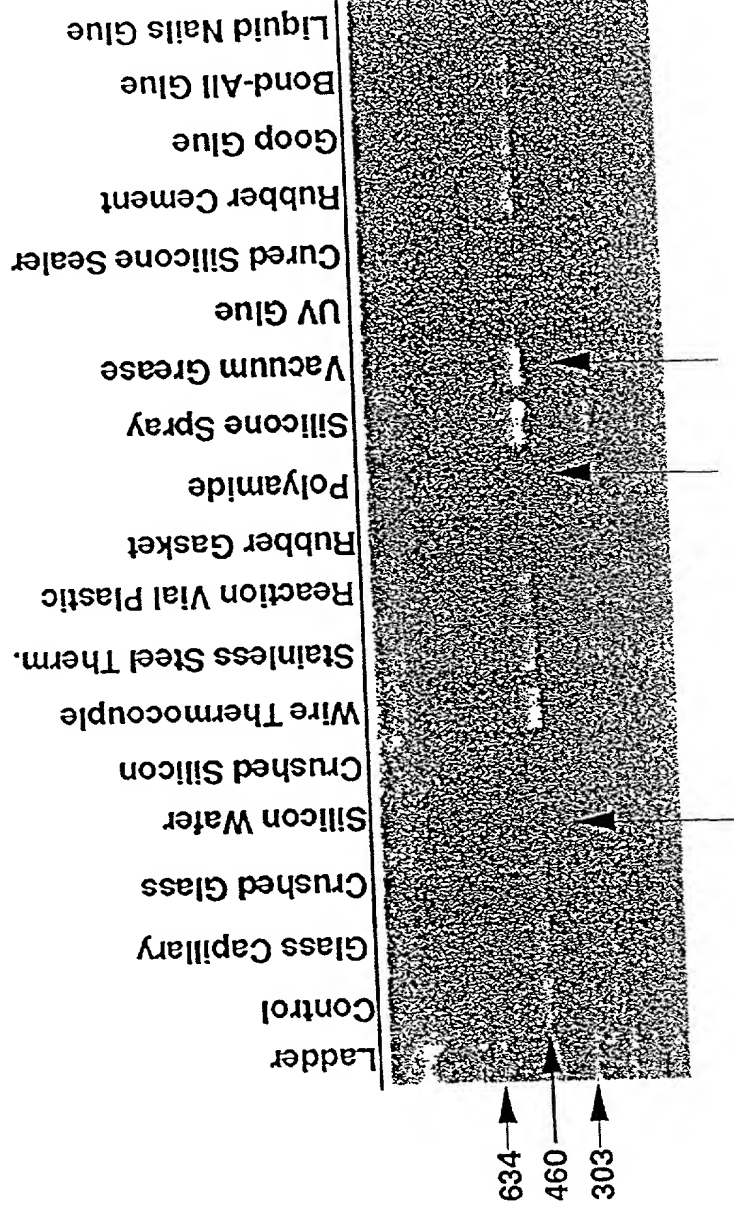


FIGURE 20



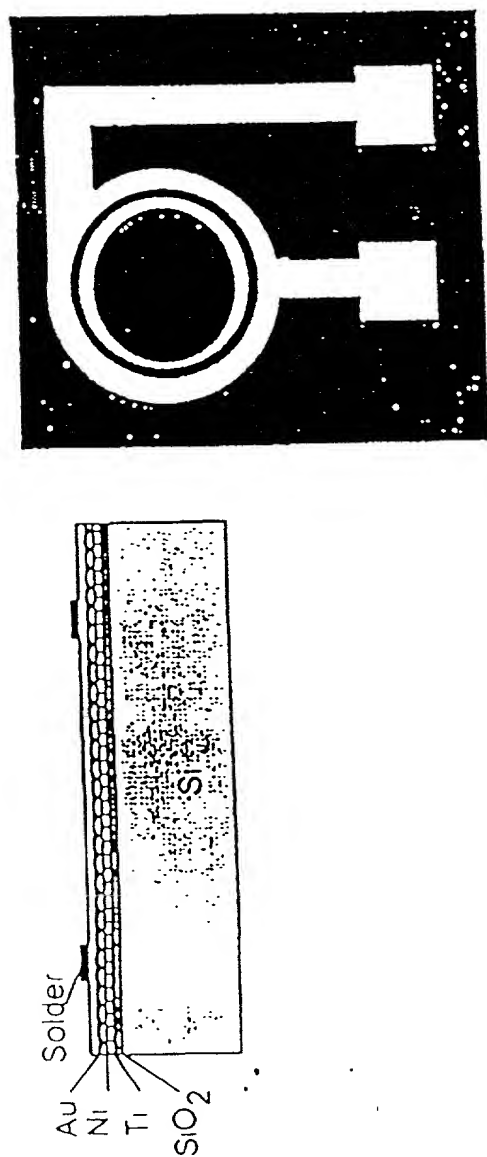
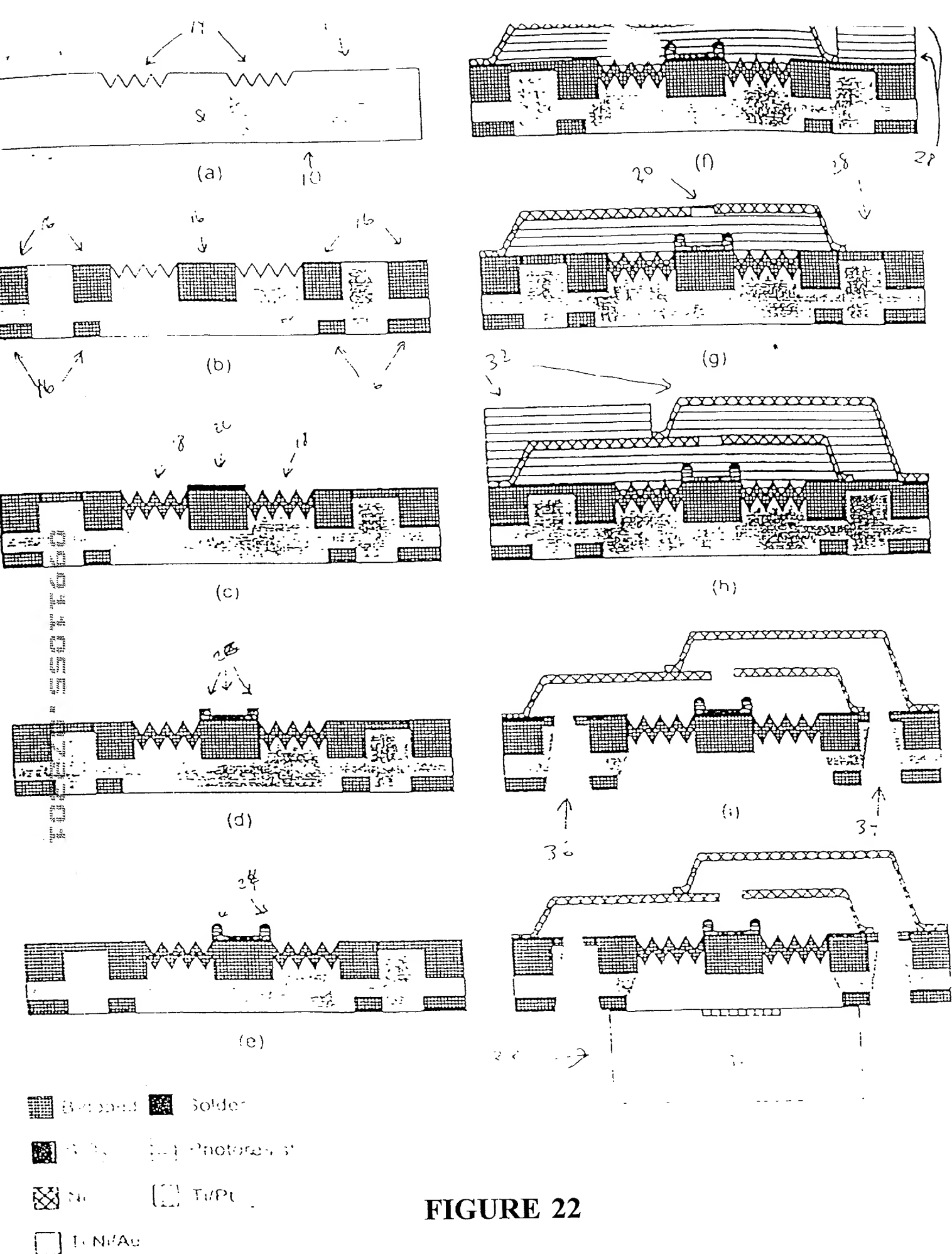
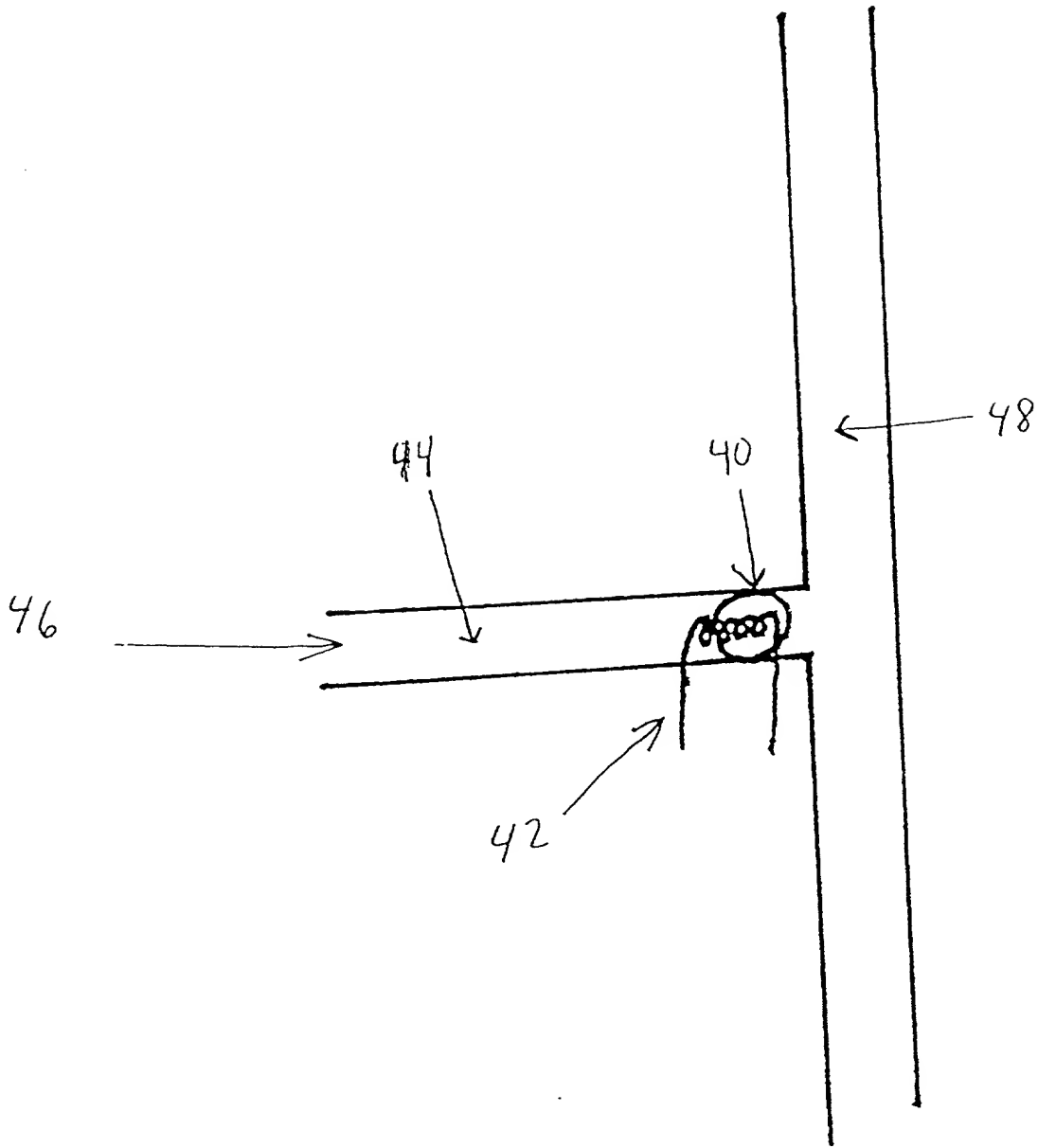


FIGURE 21



**FIGURE 22**



**FIGURE 23**

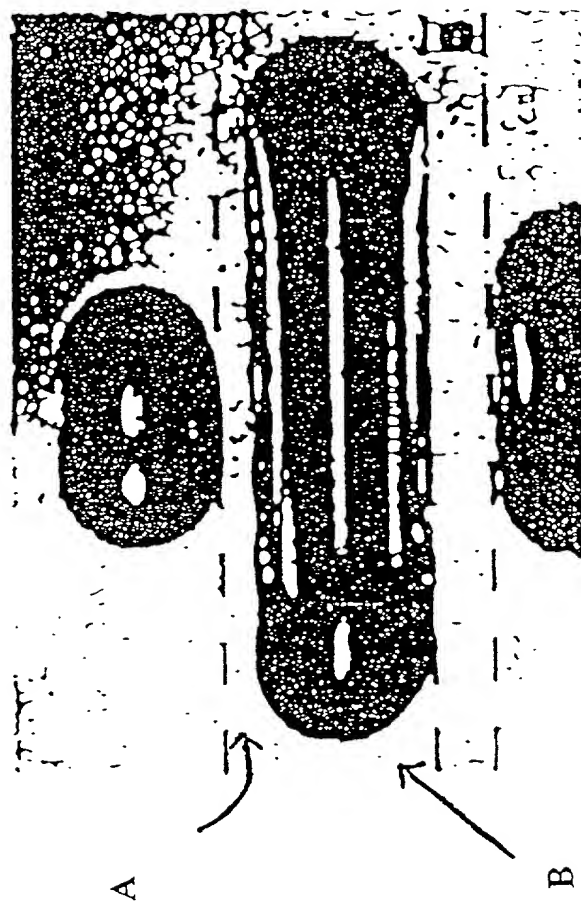
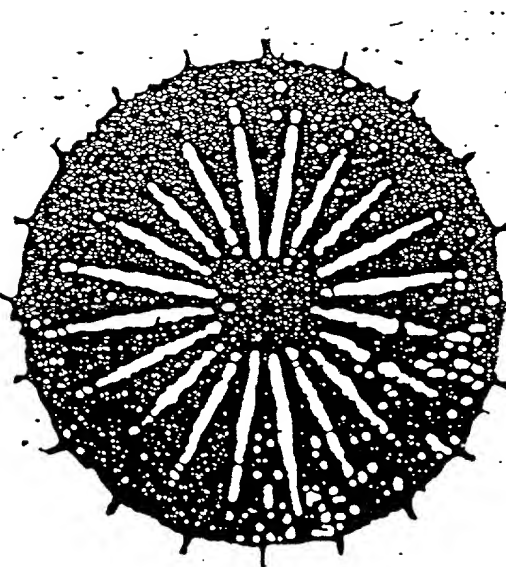


FIGURE 24

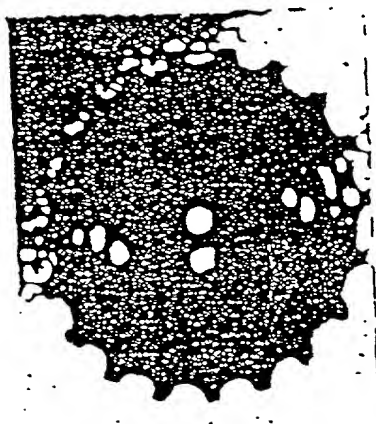
Hydrophobic  
(gray region)

Hydrophilic  
(white region)

A



B



C

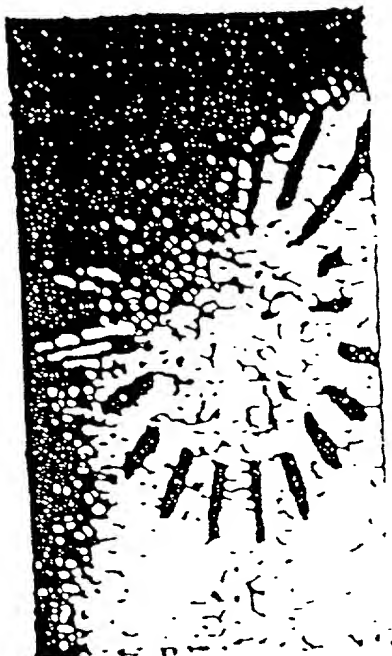


FIGURE 25

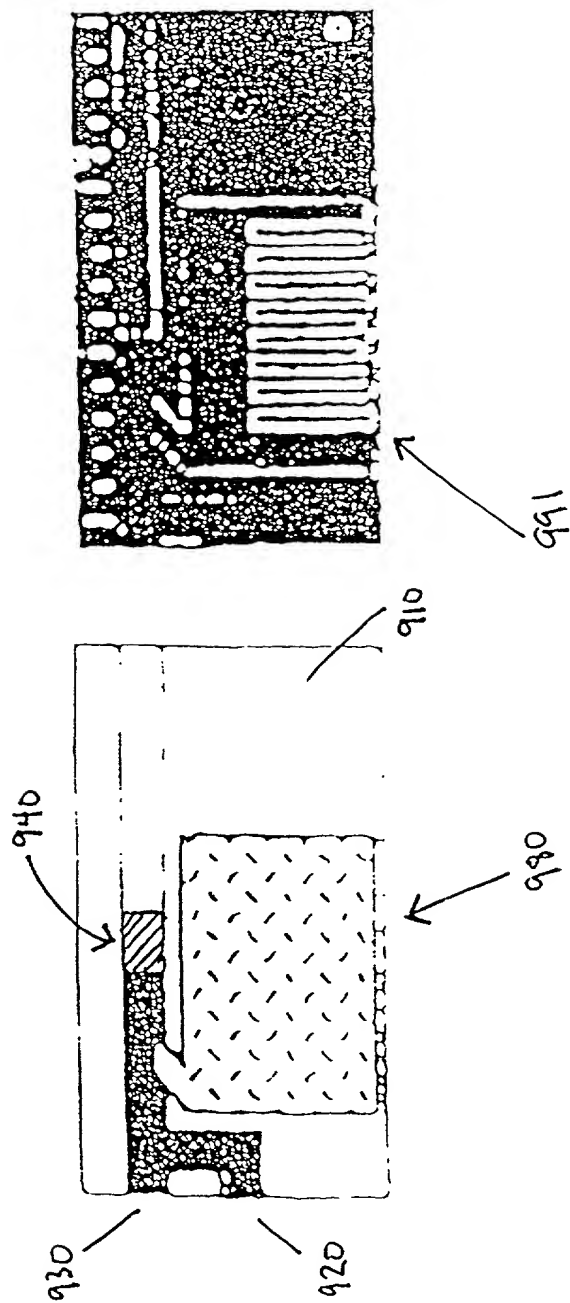


FIGURE 26A

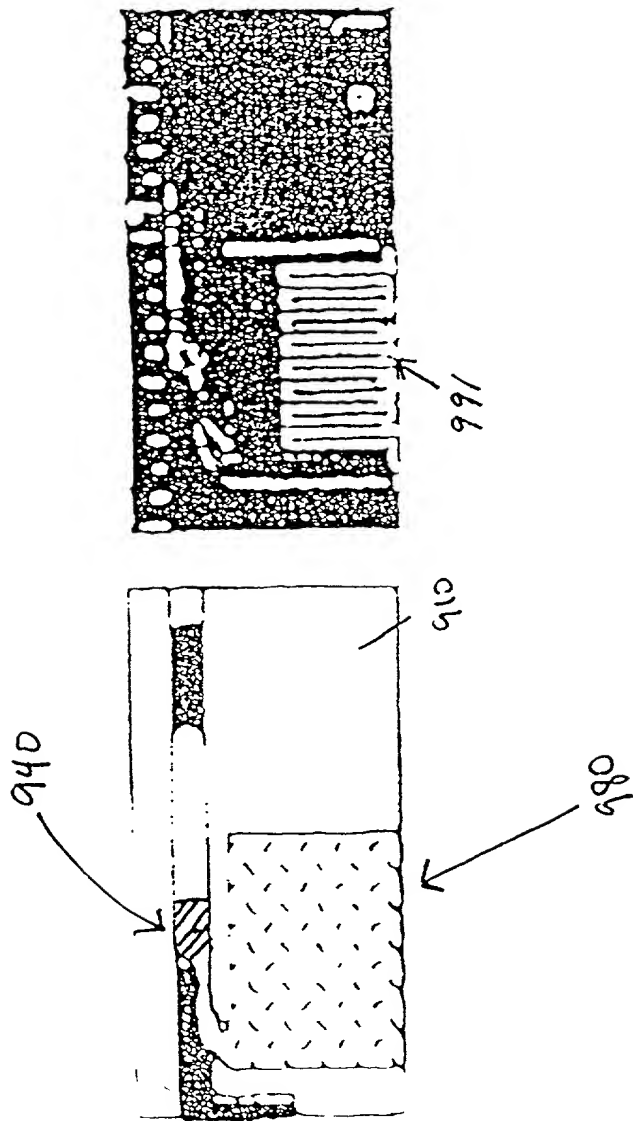


FIGURE 26B

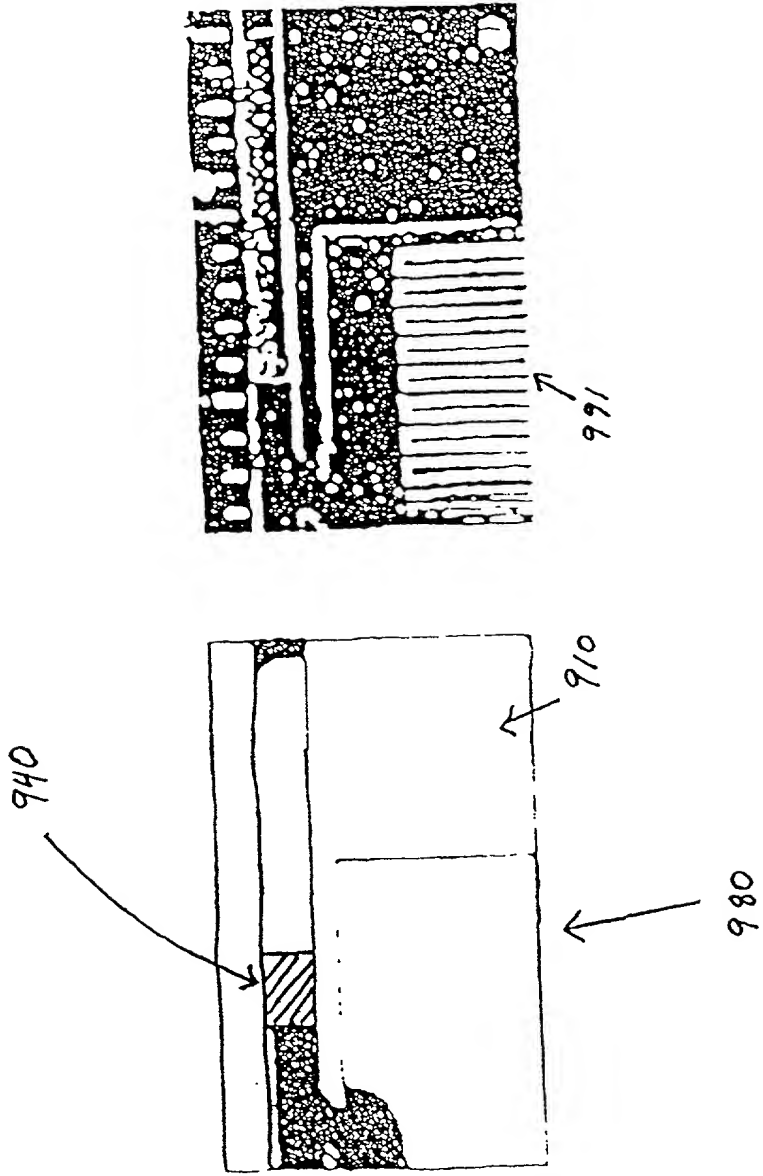
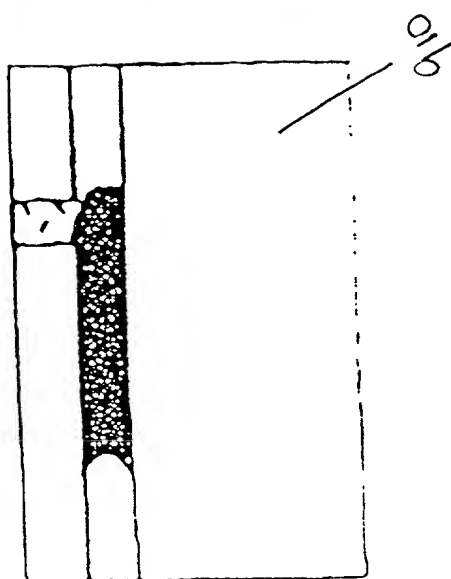
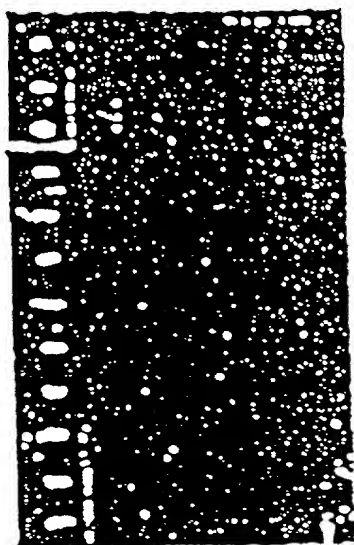


FIGURE 26C





**FIGURE 26D**

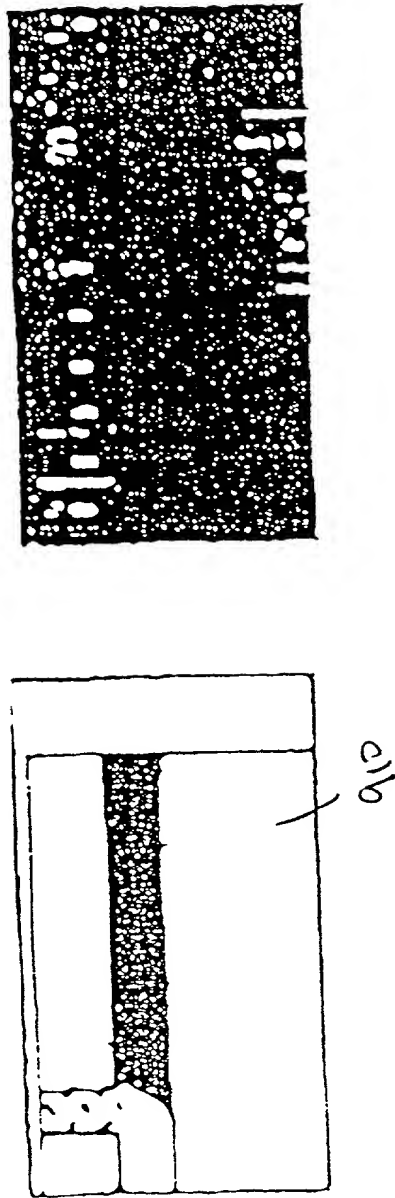


FIGURE 26E